

Listing and Amendments to the Claims

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This listing of claims will replace the claims that were published in the PCT Application and the International Preliminary Examination Report:

1. (currently amended) A method for optimizing a download of requested data to an electronic data processing unit that is currently receiving unrequested multicast data through a router included in a network, the unrequested multicast data corresponding to at least one multicast data group, the method ~~characterized by~~ comprising:

sending ~~(220)~~ Internet Group Management Protocol (IGMP) V2 Leave Messages for the at least one multicast data group to the router; and

ignoring ~~(240)~~ IGMP Membership Queries for the at least one multicast data group issued by the router so as to cause the router to terminate a transmission of the unrequested multicast data to free up available bandwidth for the download of the requested data.

2. (currently amended) The method of claim 1, ~~characterized in that~~ wherein the requested data comprises at least one of configuration data and program guide data.

3. (currently amended) The method of claim 1, ~~characterized in that~~ wherein said ignoring step comprises the step of preventing a transmission of an IGMP Membership Report to the router in response to the IGMP Membership Queries.

4. (currently amended) The method of claim 1, further ~~characterized by~~ comprising the step of downloading ~~(260)~~ the requested data while the transmission of the unrequested multicast data has been terminated.

5. (currently amended) The method of claim 1, further ~~characterized by~~ comprising the step of sensing a receipt of any multicast data so as to identify group numbers of the multicast data.

6. (currently amended) In an network having a router, a system for optimizing a download of requested data occurring concurrently with a receipt of unrequested multicast data from the router, the unrequested multicast data corresponding to at least one multicast data group, the system ~~characterized by~~ comprising:

an electronic data processing unit ~~(110)~~ for sending Internet Group Management Protocol (IGMP) V2 Leave Group Messages for the at least one multicast data group to the router, and for ignoring IGMP Membership Queries for the at least one multicast data group issued by the router so as to cause the router to terminate a transmission of the unrequested multicast data to free up available bandwidth for the download of the requested data.

7. (currently amended) The system of claim 6, ~~characterized in that~~ wherein the requested data comprises at least one of configuration data and program guide data.

8. (currently amended) The system of claim 6, ~~characterized in that~~ wherein said electronic data processing unit ~~(110)~~ ignores the IGMP Membership Queries by preventing a transmission of an IGMP Membership Report to the router in response to the IGMP Membership Queries.

9. (currently amended) The system of claim 6, ~~characterized in that~~ wherein said electronic data processing unit ~~(110)~~ further downloads the requested data while the transmission of the unrequested multicast data group has been terminated.

10. (currently amended) The system of claim 6, ~~characterized in that~~ wherein said electronic data processing unit ~~(110)~~ further senses a receipt of any multicast data so as to identify group numbers of the multicast data.

11. (currently amended) The system of claim 6, further ~~characterized by~~ comprising a modem connected in between the electronic data processing unit and the router for exchanging information there between.

12. (currently amended) The system of claim 11, ~~characterized in that~~ wherein the modem is adapted for use with Asymmetrical Digital Subscriber Line (ADSL).

13. (currently amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for optimizing a download of requested data to an electronic data processing unit that is currently receiving unrequested multicast data through a router included in a network, the unrequested multicast data corresponding to at least one multicast data group, the method steps ~~characterized by~~ comprising:

    sending ~~(220)~~ Internet Group Management Protocol (IGMP) V2 Leave Messages for the at least one multicast data group to the router; and

    ignoring ~~(240)~~ IGMP Membership Queries for the at least one multicast data group issued by the router so as to cause the router to terminate a transmission of the unrequested multicast data to free up available bandwidth for the download of the requested data.

14. (currently amended) The program storage device of claim 13, ~~characterized in that~~ wherein the requested data comprises at least one of configuration data and program guide data.

15. (currently amended) The program storage device of claim 13, ~~characterized in that~~ wherein said ignoring step comprises the step of preventing a transmission of an IGMP Membership Report to the router in response to the IGMP Membership Queries.

16. (currently amended) The program storage device of claim 13, further ~~characterized by~~ comprising the step of downloading ~~(260)~~ the requested data while the transmission of the unrequested multicast data has been terminated.

17. (currently amended) The program storage device of claim 13, further ~~characterized by~~ comprising the step of sensing a receipt of any multicast data so as to identify group numbers of the multicast data.